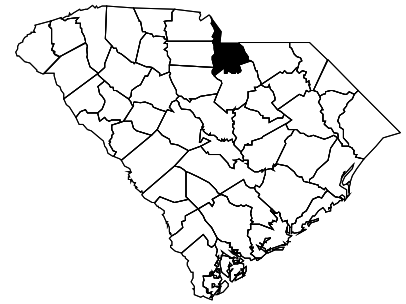


IMPACT OF CHRONIC CONDITIONS LANCASTER

County, 2005



In the year 2005, the leading causes of death among South Carolinians were heart disease, cancer, stroke, accidents, chronic lower respiratory disease, Alzheimer's disease, diabetes, nephritis, nephritic syndrome, nephrosis, pneumonia and influenza and septicemia. This report focuses on the chronic conditions of the population of Lancaster county, and is compared to the overall chronic conditions of the population of South Carolina as a whole.

The distribution of Lancaster county's population is similar to the state population. The majority (38%) of the population in Lancaster county are between the ages of 18-44. The distribution of females to males is equal. Lancaster county has a slightly lower minority population (28%) than the state (31%). When adults in DHCE's Region 3, which includes Lancaster County, were asked about their general health status, 85.5% reported having excellent, very good, or good health in 2005 (SC was 82%).

	LANCASTER COUNTY	STATE
Population size	63,113	4,255,083
Age distribution (%)		
<18	24	24
18-44	38	38
45-64	26	25
65-84	11	11
85+	2	2
Race (%)		
White	72	69
Black & Other	28	31
Sex (%)		
Male	50	49
Female	50	51

In spite of the overall reports of good health given by the citizens of the Palmetto State, chronic conditions are still making an impact on the health of many South Carolinians. Through primary and secondary prevention we hope to reduce the risk factors that contribute to the major chronic diseases and leading causes of death among South Carolinians.

The chart below contains the risk factors that contribute to an increased risk of developing a chronic condition. These risk factors are related to the major causes of morbidity and mortality among South Carolinians. Some common behavioral risk factors that contribute to the leading causes of death are smoking, sedentary lifestyle, obesity, and high cholesterol. The prevalence of these risk factors from the 2005 South Carolina Behavioral Risk Factor Surveillance System (BRFSS) survey are listed in the table below for Lancaster County.

RISK FACTOR	COUNTY (%)	STATE (%)
Current smoking	27	22
Sedentary lifestyle	24	26
Overweight	63	65
High Cholesterol	35	37

Some preventive measures such as immunization were included in the 2005 SC BRFSS. For persons age 65 and older in South Carolina:

39.1% have not received the flu shot in the past 12 months

34.4% have never had the pneumonia vaccination

Hospital/ED data in the following tables include ONLY those cases treated in SC hospitals. Cases treated in hospitals outside of SC are NOT included.

HYPERTENSION AND HYPERTENSIVE DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)	33.8	.	.	.	.	31.7
Number of hospitalizations	37	21	16	10	27	5,032
Crude rate of hospitalizations (per 100,000)	59	120	35	32	85	118
Median age of hospitalized patients	52	52	62	52	57	57
Total cost of hospitalization (\$)	682,500	381,500	301,000	178,700	503,800	109,400,500
Average length of hospital stay (days)	3	3	4	3	3	5
Number of ED visits	32	15	17	15	17	7,466
Crude rate of ED visits (per 100,000)	51	86	37	48	54	175
Median age of ED patients	57	47	62	57	52	52
Total cost of ED visits (\$)	91,000	38,400	52,600	39,200	51,800	9,929,000
Number of deaths**	3	2	1	1	2	423
Age-Adjusted Death rate (per 100,000)**	5	20	2	3	5	10

DISEASES OF THE HEART	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	3.6	.	.	.	.	4.1
Number of hospitalizations	846	189	657	431	415	60,901
Crude rate of hospitalizations (per 100,000)	1,340	1,082	1,439	1,369	1,312	1,431
Median age of hospitalized patients	67	62	72	67	72	67
Total cost of hospitalization (\$)	24,102,400	5,386,900	18,715,500	12,614,700	11,487,700	2,286,836,400
Average length of hospital stay (days)	4	4	4	4	4	5
Number of ED visits	38	10	28	24	14	12,989
Crude rate of ED visits (per 100,000)	60	57	61	76	44	305
Median age of ED patients	62	60	62	62	47	62
Total cost of ED visits (\$)	221,800	63,200	158,600	164,700	57,100	42,115,900
Number of deaths**	161	42	119	75	86	9,328
Age-Adjusted Death rate (per 100,000)**	256	349	236	311	213	218

STROKE	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	2.9	.	.	.	.	3
Number of hospitalizations	165	50	115	81	84	13,925
Crude rate of hospitalizations (per 100,000)	261	286	252	257	265	327
Median age of hospitalized patients	72	67	72	67	72	72
Total cost of hospitalization (\$)	5,043,200	1,472,900	3,570,300	2,495,700	2,547,500	384,441,600
Average length of hospital stay (days)	5	5	4	4	5	6
Number of ED visits	13	3	10	5	8	2,515
Crude rate of ED visits (per 100,000)	21	17	22	16	25	59
Median age of ED patients	67	57	70	57	72	67
Total cost of ED visits (\$)	81,800	26,400	55,400	26,400	55,400	9,113,000
Number of deaths**	39	15	24	11	28	2,440
Age-Adjusted Death rate (per 100,000)**	63	124	47	52	68	59

CHRONIC OBSTRUCTIVE PULMONARY DISEASE	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	233	73	160	116	117	15,753
Crude rate of hospitalizations (per 100,000)	369	418	351	369	370	370
Median age of hospitalized patients	57	12	62	57	62	62
Total cost of hospitalization (\$)	4,081,800	1,154,200	2,927,600	2,013,600	2,068,200	268,425,300
Average length of hospital stay (days)	4	3	4	4	4	5
Number of ED visits	155	70	85	80	75	36,543
Crude rate of ED visits (per 100,000)	246	401	186	254	237	859
Median age of ED patients	32	27	37	32	32	37
Total cost of ED visits (\$)	299,500	130,800	168,700	156,300	143,200	40,613,700
Number of deaths**	23	4	19	12	11	1,968
Age-Adjusted Death rate (per 100,000)**	37	43	37	49	28	46

DIABETES	County					State
	Total	Blacks	Whites	Males	Females	Total
Prevalence (%)*	9.8	.	.	.	.	10.3
Number of hospitalizations	130	56	74	53	77	9,027
Crude rate of hospitalizations (per 100,000)	206	321	162	168	243	212
Median age of hospitalized patients	57	52	57	52	57	52
Total cost of hospitalization (\$)	3,534,900	1,584,600	1,950,300	1,306,100	2,228,800	179,747,700
Average length of hospital stay (days)	5	6	5	5	6	6
Number of ED visits	41	28	13	15	26	9,603
Crude rate of ED visits (per 100,000)	65	160	28	48	82	226
Median age of ED patients	37	47	32	32	45	52
Total cost of ED visits (\$)	134,700	94,300	40,400	38,900	95,800	13,447,300
Number of deaths**	9	3	6	3	6	1,183
Age-Adjusted Death rate (per 100,000)**	14	23	13	8	17	27

ALL CANCERS	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	129	32	97	58	71	16,389
Crude rate of hospitalizations (per 100,000)	204	183	213	184	224	385
Median age of hospitalized patients	67	67	67	67	67	62
Total cost of hospitalization (\$)	6,566,700	1,417,400	5,149,300	2,860,600	3,706,100	664,309,500
Average length of hospital stay (days)	8	7	8	7	8	8
Number of deaths**	106	16	90	55	51	8,617
Age-Adjusted Death rate (per 100,000)**	160	123	166	203	133	196

COLORECTAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	22	5	17	13	9	2,070
Crude rate of hospitalizations (per 100,000)	35	29	37	41	28	49
Median age of hospitalized patients	62	82	62	62	62	67
Total cost of hospitalization (\$)	1,763,100	347,800	1,415,300	1,209,500	553,600	101,377,700
Average length of hospital stay (days)	10	8	10	11	7	10
Number of deaths**	9	3	6	3	6	812
Age-Adjusted Death rate (per 100,000)**	13	25	10	8	16	19

BREAST CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	17	3	14	-	17	1,228
Crude rate of hospitalizations (per 100,000)	54	34	61	-	41	56
Median age of hospitalized patients	72	72	70	-	72	62
Total cost of hospitalization (\$)	457,700	60,200	397,500	-	457,700	26,163,000
Average length of hospital stay (days)	3	3	3	-	3	3
Number of deaths**	5	1	4	-	5	651
Age-Adjusted Death rate (per 100,000)**	14	16	13	-	14	26

CERVICAL CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	1	1	-	-	1	192
Crude rate of hospitalizations (per 100,000)	3	11	-	-	3	9
Median age of hospitalized patients	52	52	-	-	52	47
Total cost of hospitalization (\$)	53,100	53,100	-	-	53,100	4,668,500
Average length of hospital stay (days)	14	14	-	-	14	4
Number of deaths**	-	-	-	-	-	63
Age-Adjusted Death rate (per 100,000)**	-	-	-	-	-	3

LUNG CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	19	4	15	12	7	2,181
Crude rate of hospitalizations (per 100,000)	30	23	33	38	22	51
Median age of hospitalized patients	67	57	72	67	67	67
Total cost of hospitalization (\$)	760,800	146,100	614,700	399,400	361,400	92,775,300
Average length of hospital stay (days)	7	7	7	6	10	9
Number of deaths**	43	3	40	28	15	2,703
Age-Adjusted Death rate (per 100,000)**	67	23	75	104	41	61

PROSTATE CANCER	County					State
	Total	Blacks	Whites	Males	Females	Total
Number of hospitalizations	5	2	3	5	-	1,209
Crude rate of hospitalizations (per 100,000)	16	23	13	23	-	58
Median age of hospitalized patients	62	62	62	62	-	62
Total cost of hospitalization (\$)	207,300	114,900	92,400	207,300	-	30,356,600
Average length of hospital stay (days)	4	7	2	4	-	4
Number of deaths**	8	2	6	8	-	460
Age-Adjusted Death rate (per 100,000)**	42	55	39	42	-	30

*Prevalence estimates at regional level

**Mortality data were provided by Division of Biostatistics, Office of Public Health Statistics and Information Systems, DHEC using ICD-10 codes.

All hospitalizations of Blacks include Blacks and Others.

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